

Constantin Stamatiadis



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WORK EXPERIENCE

Oct 2022- Senior Software Engineer Machine Learning

Bosch GmbH, Stuttgart, Germany

Working on deep learning based sensor fusion for SAE L4 Autonomous driving. Spearheaded the development of early fusion object detectors coupled with bayesian object tracking, achieving increased object detection accuracy and reliability. Investigating novel transformed-based tracking methods with Corporate Research.

Member of Bosch **Talent Pool** leadership development program, honing leadership skill.

Main Tools: Python, C++, Tensorflow, Azure, Docker, Git, Bash, ROS, Jira

Oct 2020-Sep 2022 R&D Management Trainee (Junior Managers Program)

Bosch GmbH, Stuttgart, Germany & Bosch LLC, Sunnyvale, USA

Fast track 2-year multi-assignment program with tailored leadership seminars. Member of the Research & Development track in Automated Driving. Acted in various roles, ranging from Software Engineer to Product Manager and Technical Executive Assistant:

- Create a Technology Road Map for an Intralogistics AMR, through customer interviews and market/state of the art research.
- Developed a Graph Neural Network based traffic agent intent prediction.
- Assisted Director and Senior Management in daily work, as well as in strategic setup of partnership with Cariad in the Sensor Fusion domain.
- Worked on Deep Learning based object detection for Ultrasonic Sensors (Sunnyvale).
- ROS2 Simulation & Diagnostics tools development for in house robot platform.

Main Tools: Design Thinking & UX , Python, C++, Tensorflow, PyTorch, ROS, Git,

Oct 2019-Mar 2019 Master Thesis Student

ABB AG, Baden, Switzerland

Deep Learning based adaptive Model Predictive Control

Main Tools: PyTorch, Python, Casadi

Mar 2019-Aug 2019 Autonomous Driving Intern

Volkswagen AG, Wolfsburg, Germany

Worked on novel bounding box regressors and application-aware losses for object detection.

Main Tools: Tensorflow, Python, OpenCV, Carla Simulator

EDUCATION

2017-2020 M.Sc Robotics, Systems and Control

ETH Zürich, Zürich, Switzerland

Focus on Robotics, Machine Learning and Computer Vision

2015-2016 B.Sc Information Technology Engineering (PolitTong Exchange Program)

Tongji University, Shanghai, China

2014-2017 B.Sc Electronic Engineering

Politecnico di Torino, Turin, Italy

SKILLS

Programming: Python, C++, C, Bash

Software/API/Tools: Tensorflow, PyTorch, ROS, Azure, Docker, Git, OpenCV

LANGUAGES

Mother tongues: German, Italian

Other Languages:	English	Full Working Proficiency	IELTS 8
	Spanish	Conversant	ACTFL B2
	Chinese	Elementary Proficiency	HSK 2